

Title (en)
DOUBLE CLAD OPTICAL FIBER WITH RARE EARTH METAL DOPED GLASS CORE

Title (de)
OPTISCHE FASER MIT DOPPELMANTEL UND EINEM MIT SELTENEN ERDMETALLDOTIERTEM GLASKERN

Title (fr)
FIBRE OPTIQUE A GAINÉ DOUBLE A AME EN VERRE DOPEE PAR DES TERRES RARES

Publication
EP 1708971 B1 20150610 (EN)

Application
EP 05722408 A 20050111

Priority
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• US 53837204 P 20040120

Abstract (en)
[origin: US2005158006A1] An optical fiber comprising: (i) a silica based, rare earth doped core having a first index of refraction n_1 SUB>1</SUB>; (ii) a silica based inner cladding surrounding the core having a second index of refraction n_2 SUB>2</SUB>, such that $n_1 < n_2$ SUB>1</SUB>n_2 SUB>2</SUB>; (iii) a silica based outer cladding surrounding the inner cladding having a third index of refraction n_3 SUB>3</SUB>, such that $n_2 < n_3$ SUB>2</SUB>n_3 SUB>3</SUB>, wherein inner cladding diameter is at least 125 μ m.

IPC 8 full level
C03C 13/04 (2006.01); **H01S 3/067** (2006.01)

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